

FIG.2

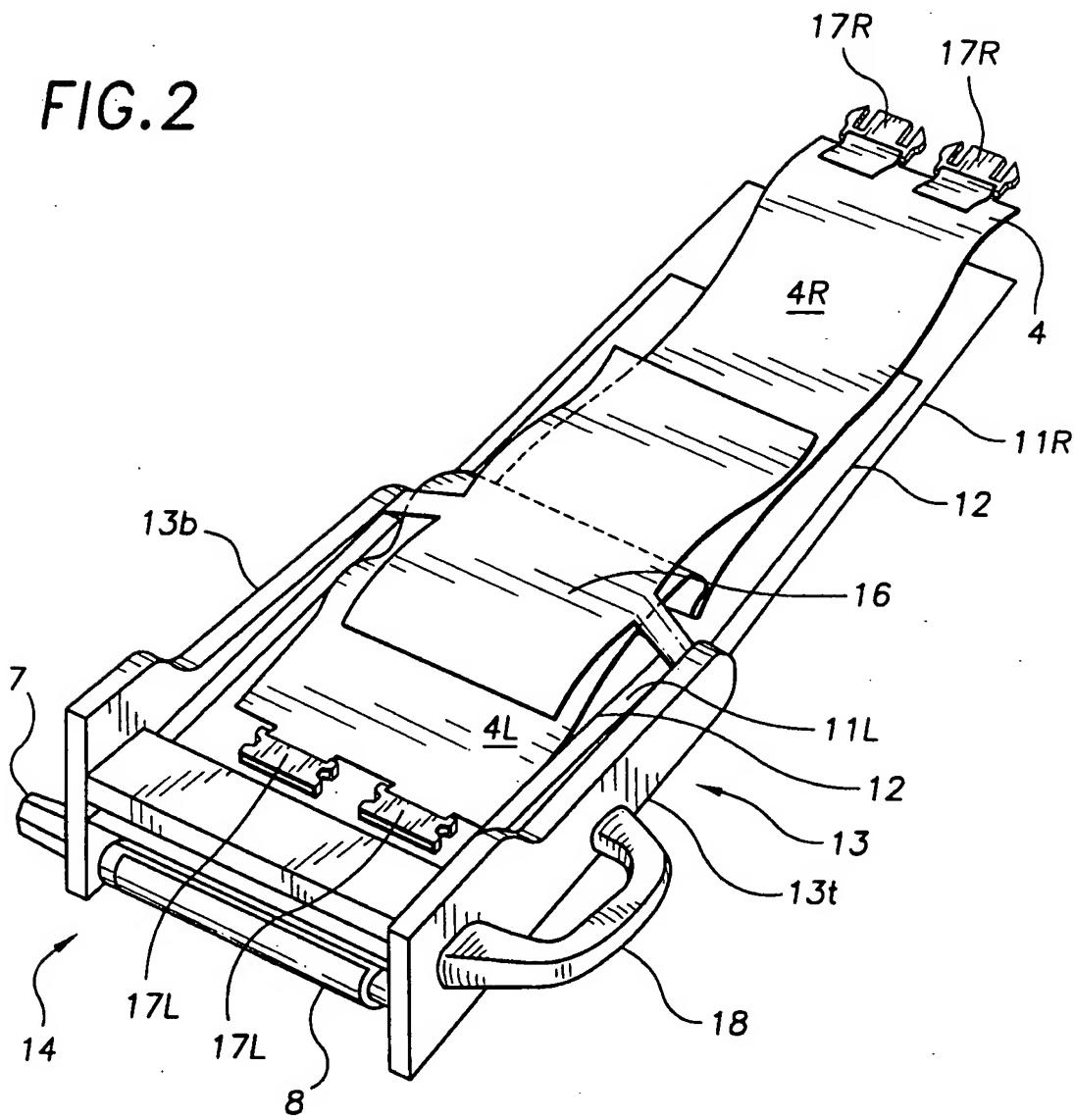


FIG.3

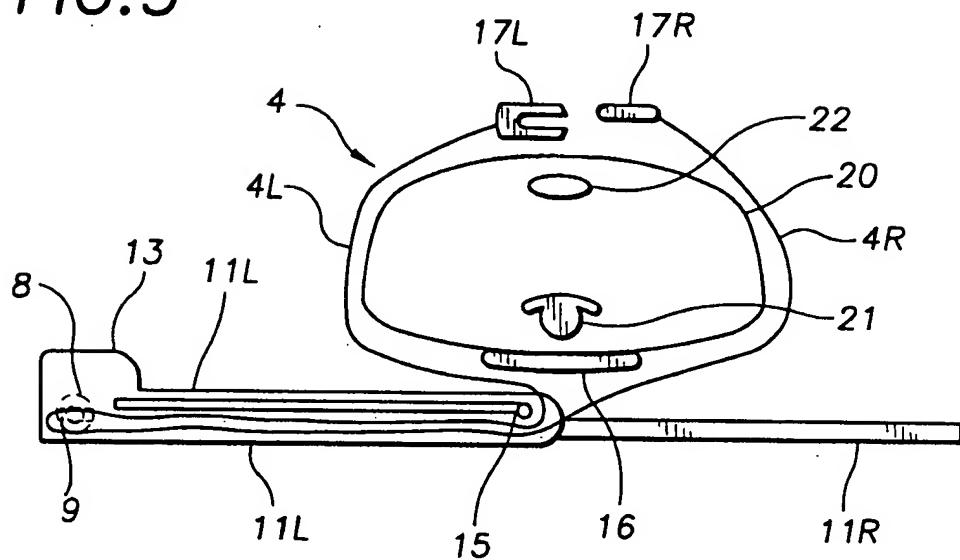
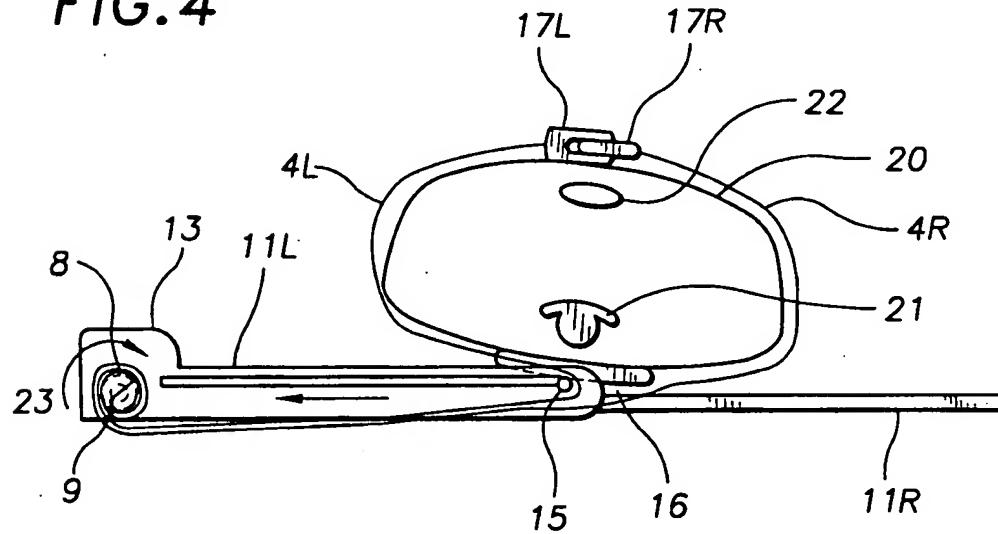


FIG.4



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FIG.5

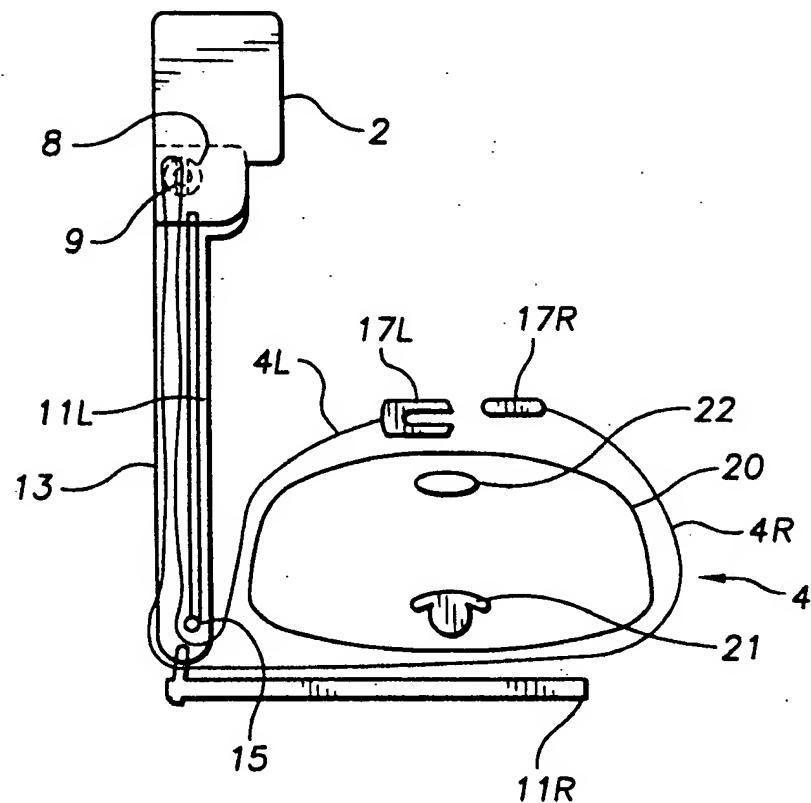
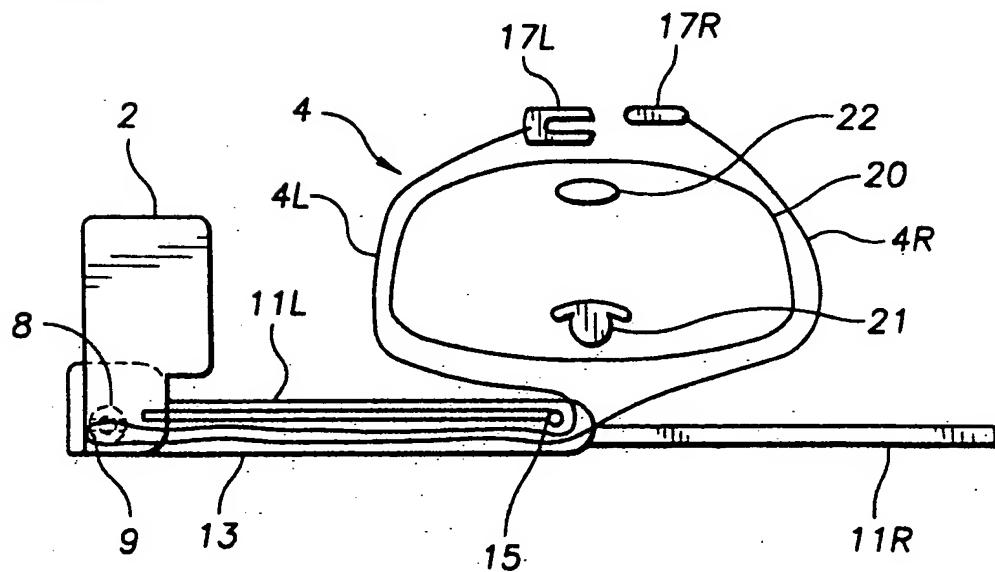


FIG.6



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FIG.7

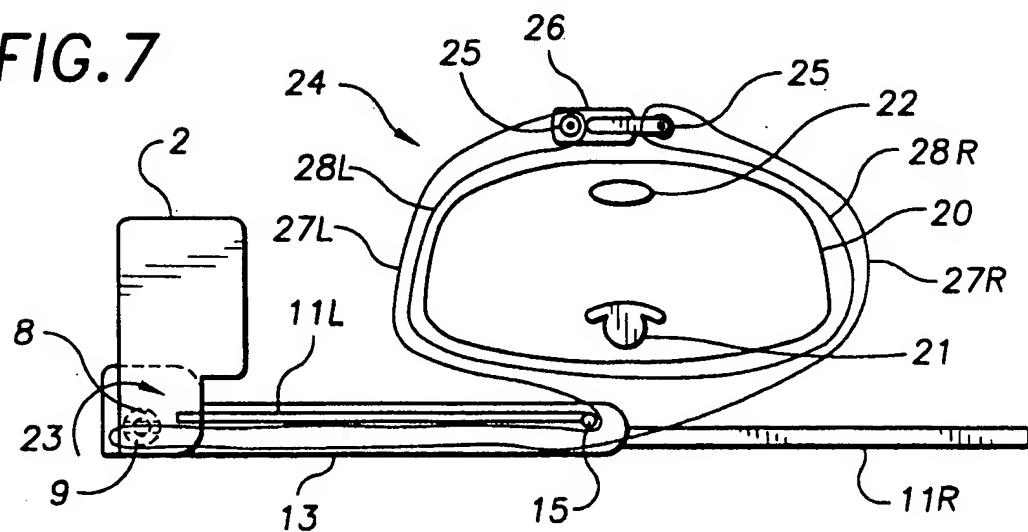


FIG.8

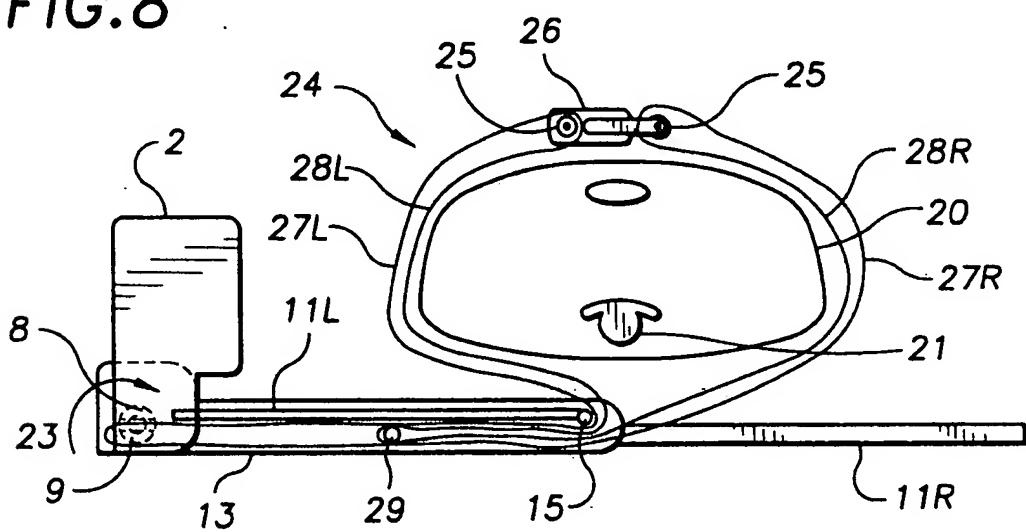
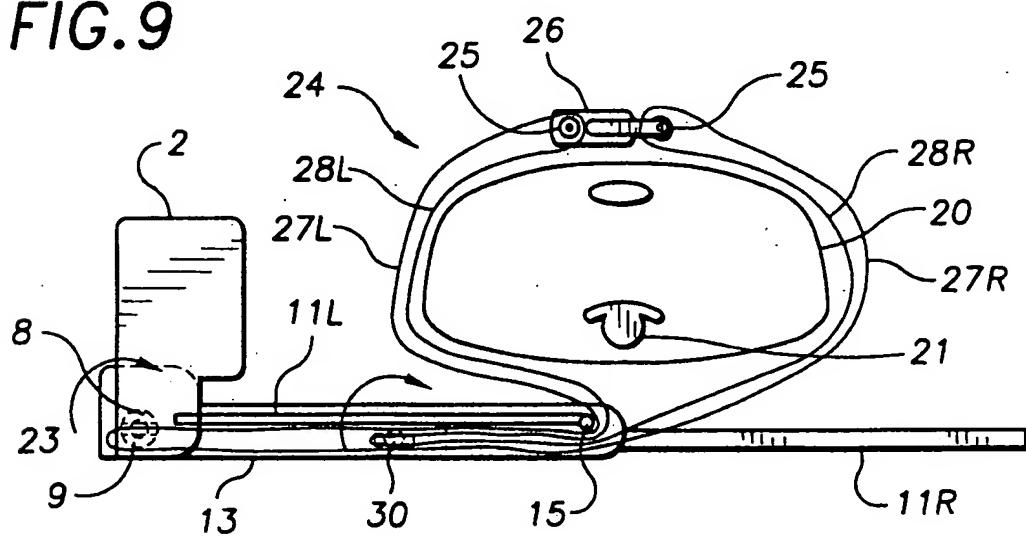


FIG.9



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FIG. 10

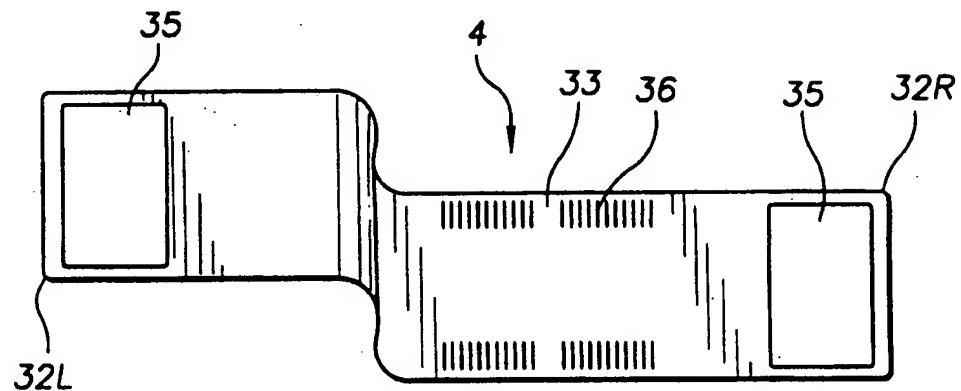
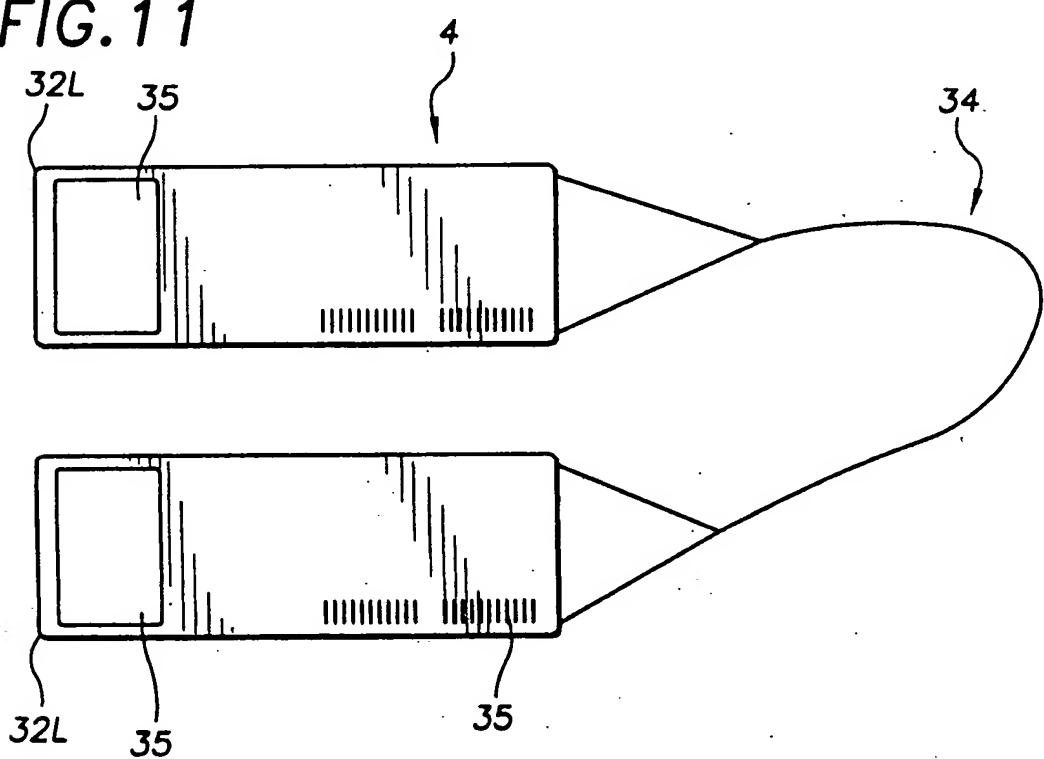


FIG. 11



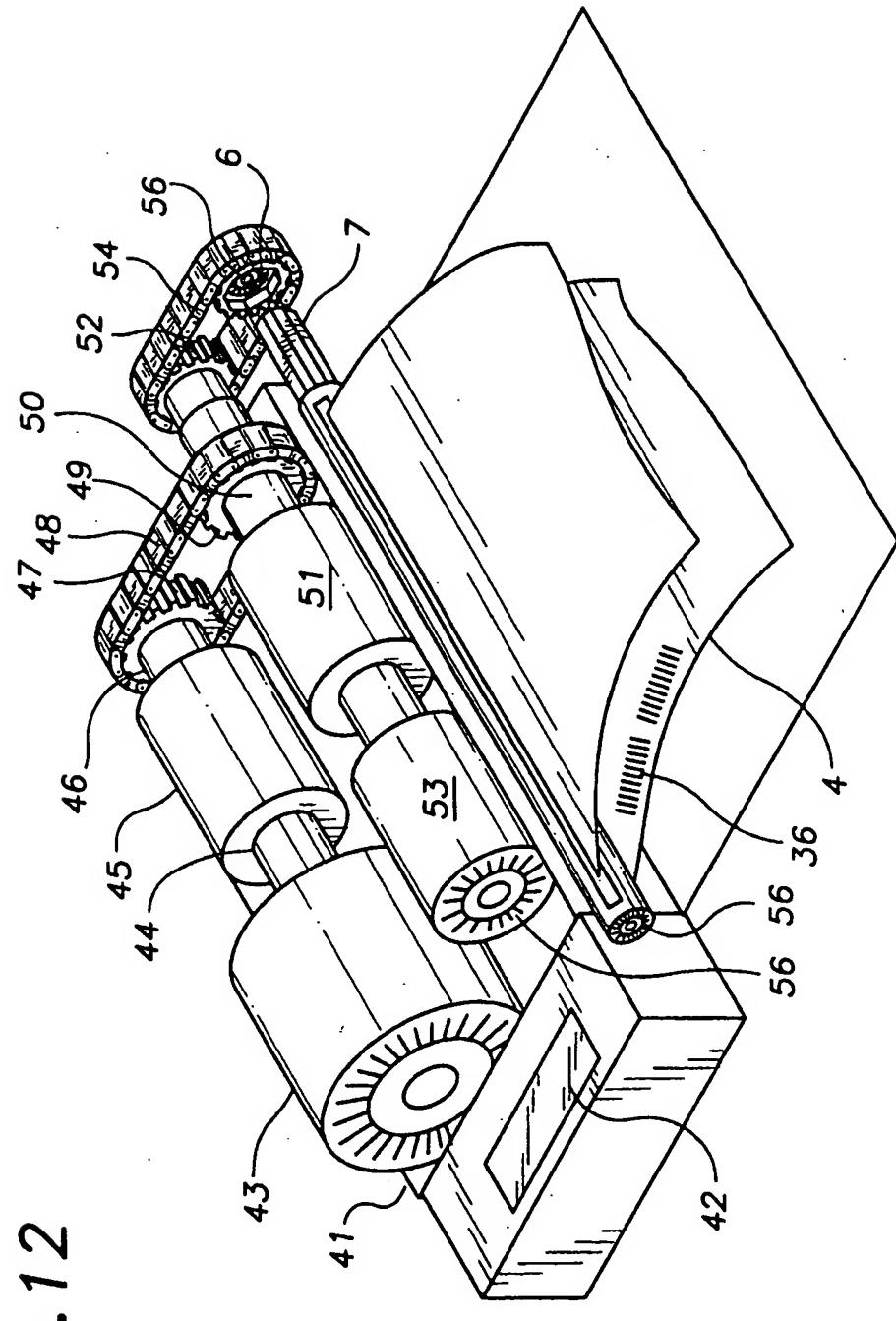


FIG. 12

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FIG. 12b

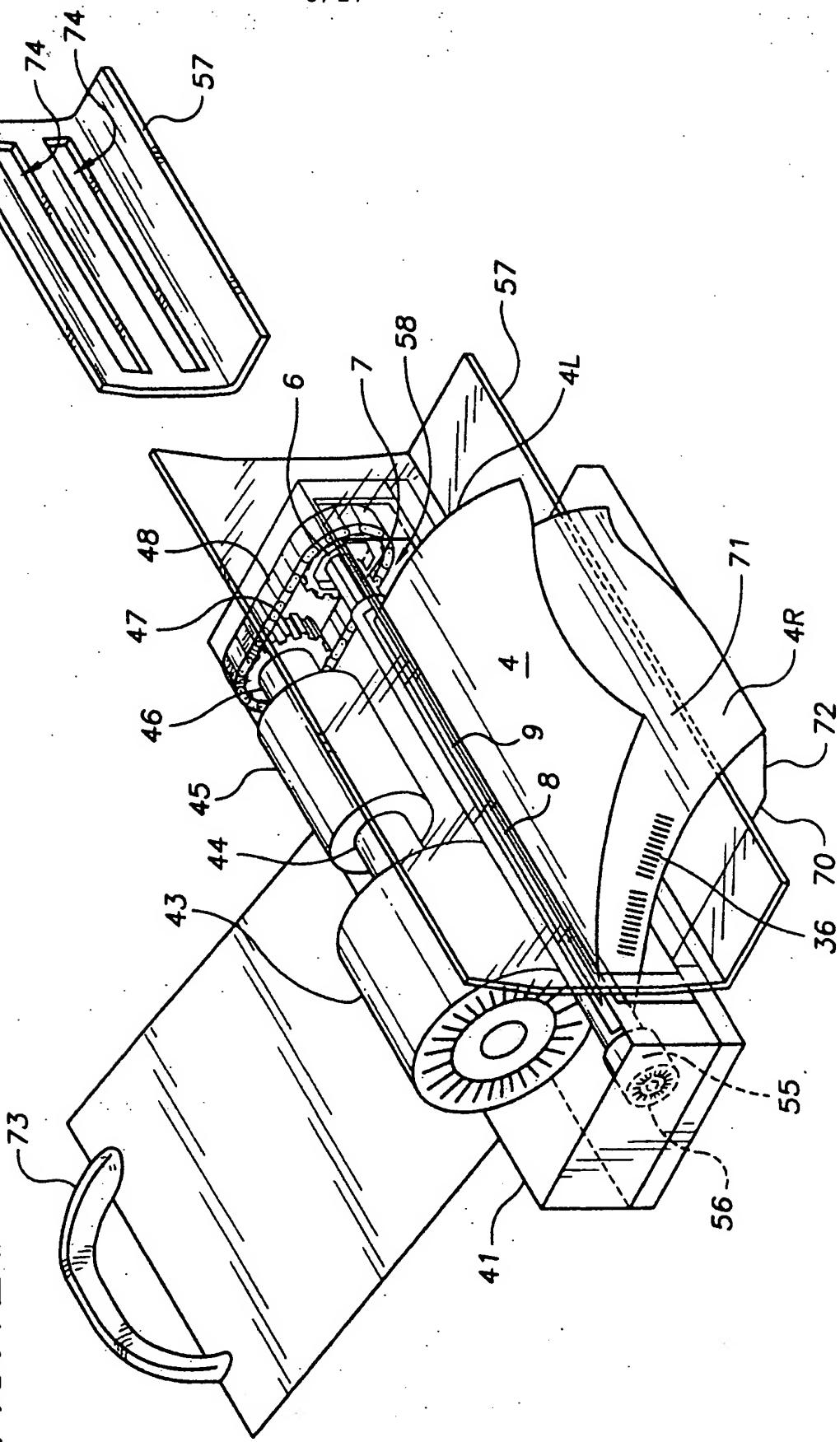


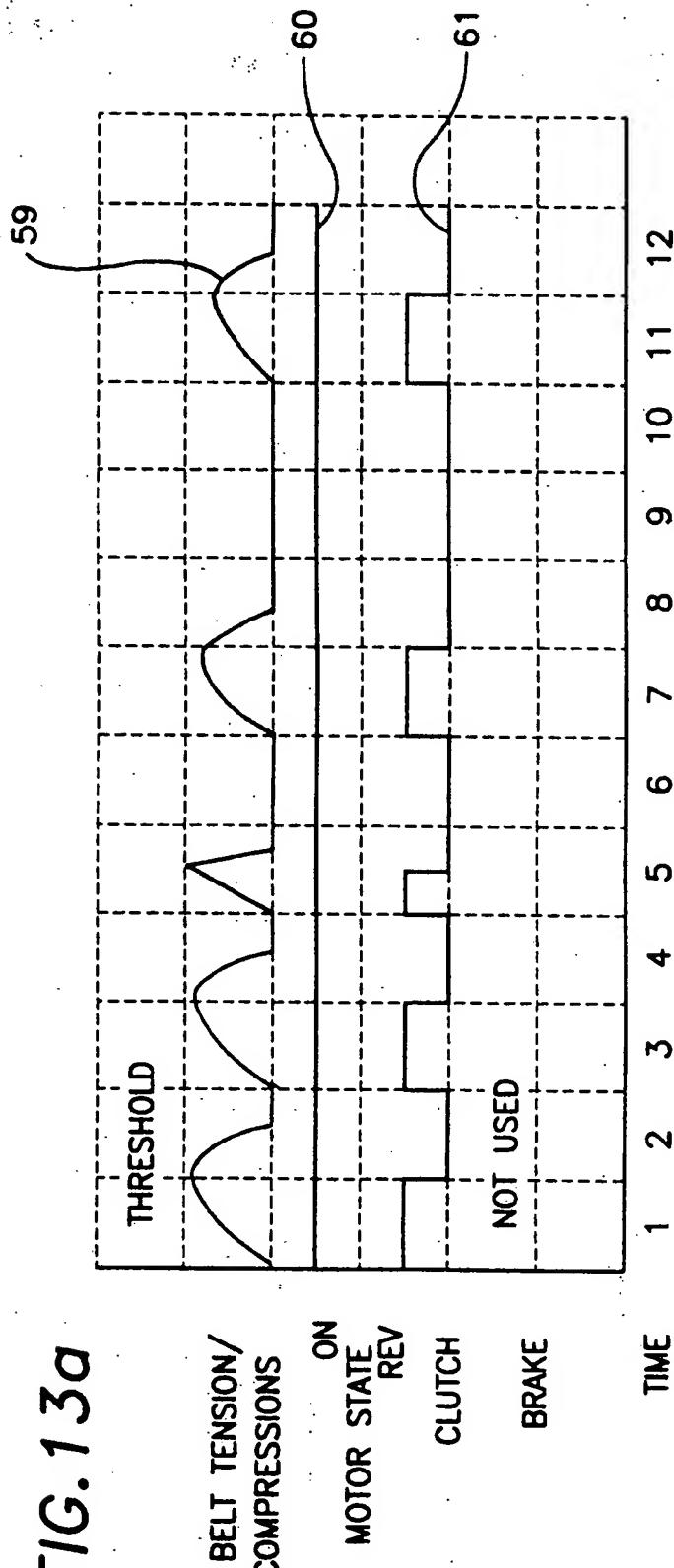
FIG. 12a

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FIG. 13

TIME	1	2	3	4	5	6	7	8	9	10	11	12
MOTOR	ON	ON	ON	OFF								
CLUTCH	ON	OFF										
BRAKE												

FIG. 13a

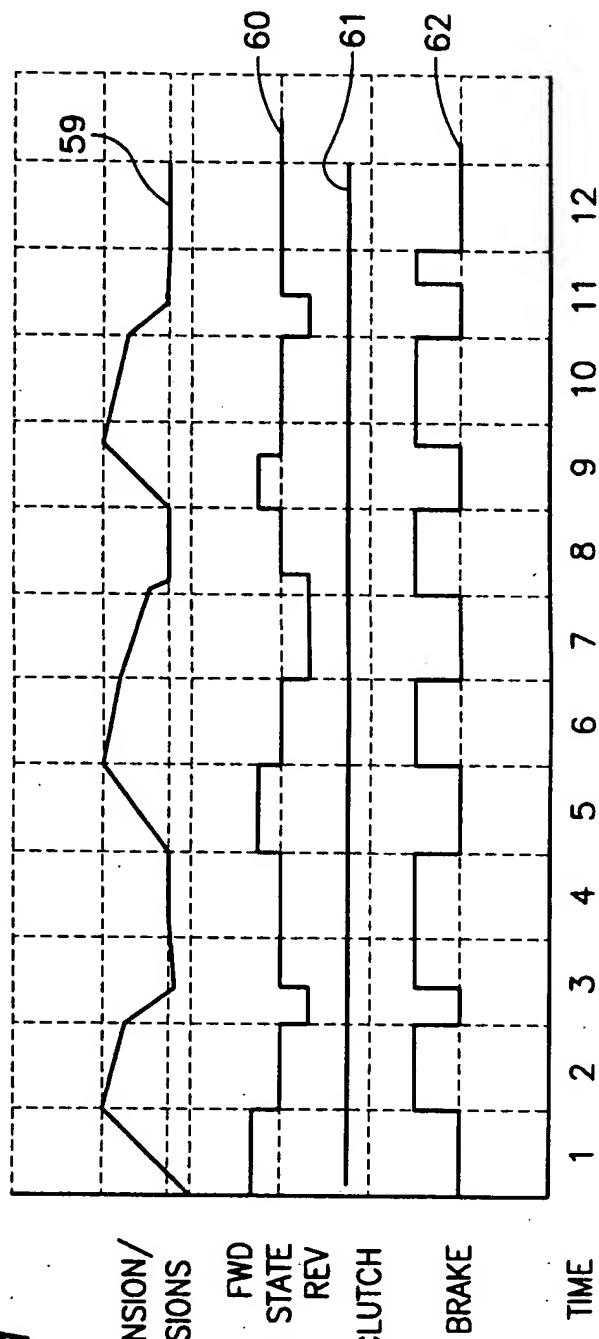


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FIG. 14

	1	2	3	4	5	6	7	8	9	10	11	12
MOTOR	FWD	OFF	REV(OFF)	OFF	FWD	OFF	REV(OFF)	FWD(OFF)	OFF	REV	OFF	OFF
CAM BRAKE	OFF	ON	OFF(ON)	ON	OFF	ON	OFF(ON)	ON	OFF(ON)	ON	OFF	ON
CLUTCH	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

FIG. 14a

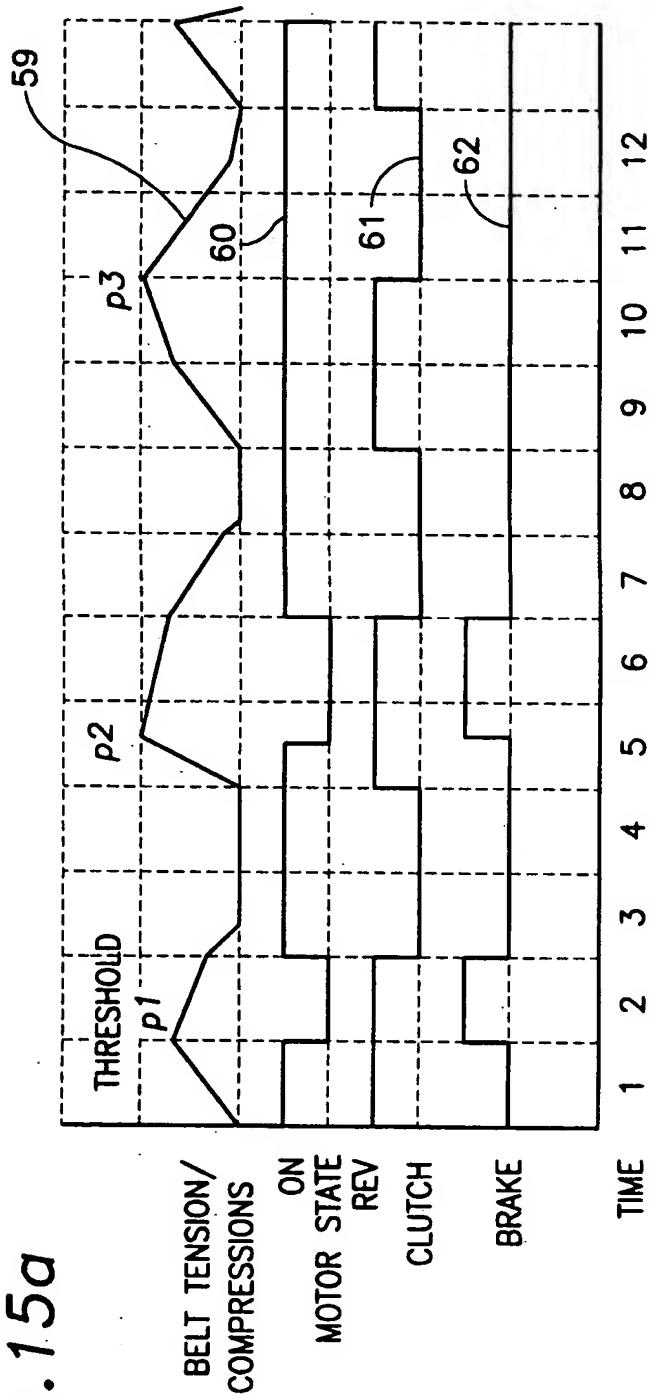


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FIG. 15

TIME	1	2	3	4	5	6	7	8	9	10	11	12	13
MOTOR	ON	OFF	ON	ON	ON(OFF)	OFF	ON						
CLUTCH	ON	ON	OFF	OFF	ON	ON	ON	OFF	ON	ON	OFF	OFF	ON
BRAKE	OFF	ON	OFF	OFF	OFF(ON)	ON	OFF						

FIG. 15a

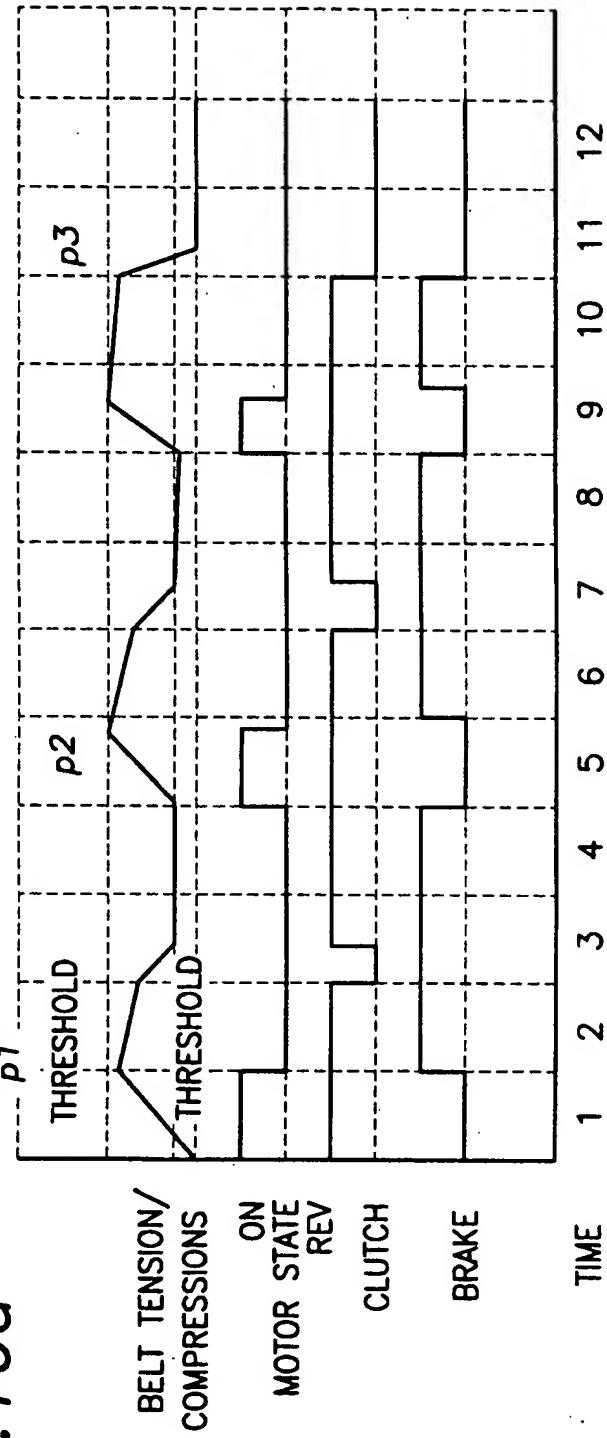


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FIG. 16

TIME	1	2	3	4	5	6	7	8	9	10	11	12
MOTOR	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	ON	ON
CLUTCH	ON	ON	OFF(ON)	ON	ON	ON	OFF(ON)	ON	ON	ON	OFF	OFF
CAM BRAKE	OFF	ON	ON	ON	OFF	ON	ON	ON	ON	OFF(ON)	OFF(ON)	OFF

FIG. 16a

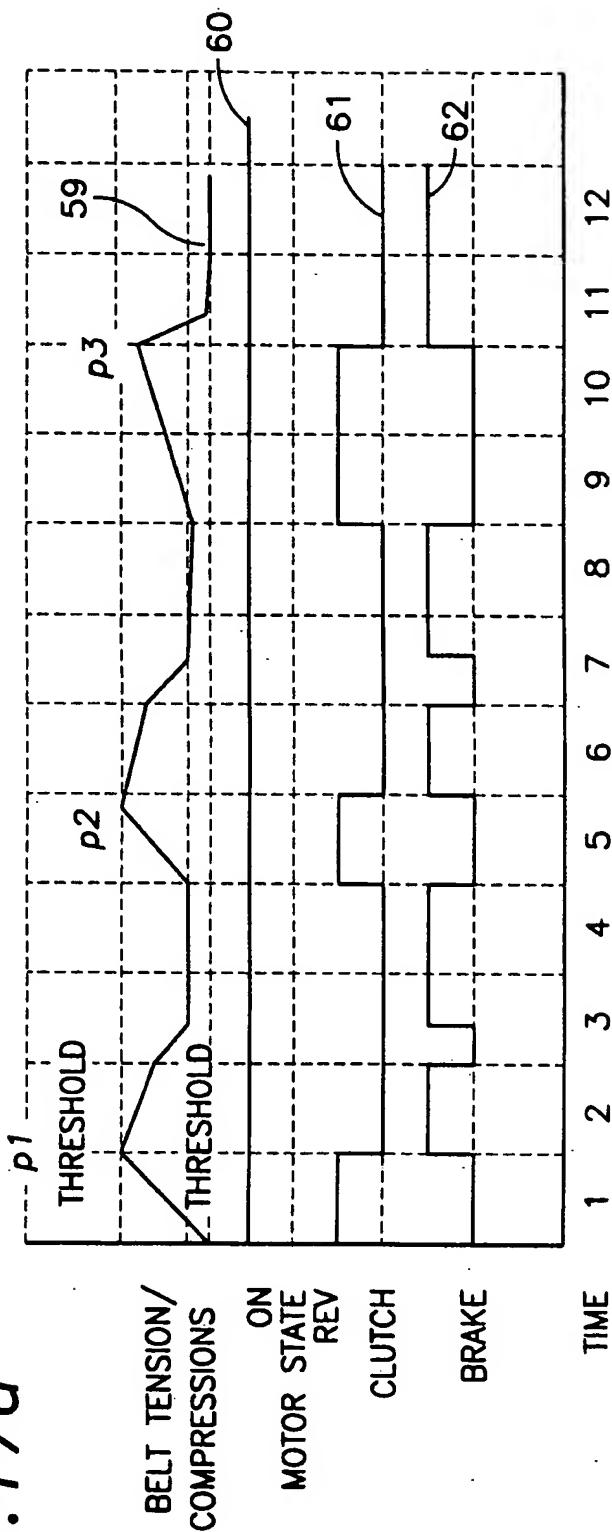


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FIG. 17

TIME	1	2	3	4	5	6	7	8	9	10	11	12
MOTOR	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
CLUTCH	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
SPINDLE BRAKE	OFF	ON	OFF(ON)	ON	OFF	ON	ON	OFF(ON)	ON	OFF	OFF(ON)	ON

FIG. 17a



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FIG. 18

TIME	1	2	3	4	5	6	7	8	9	10	11	12
MOTOR	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
CLUTCH	ON	OFF	OFF	ON	ON	ON(OFF)	OFF	OFF	ON	ON(OFF)	OFF	OFF
SPINDLE BRAKE	OFF	OFF	OFF(ON)	ON	OFF	OFF(ON)	ON	OFF	OFF(ON)	OFF(ON)	OFF(ON)	OFF

FIG. 18a

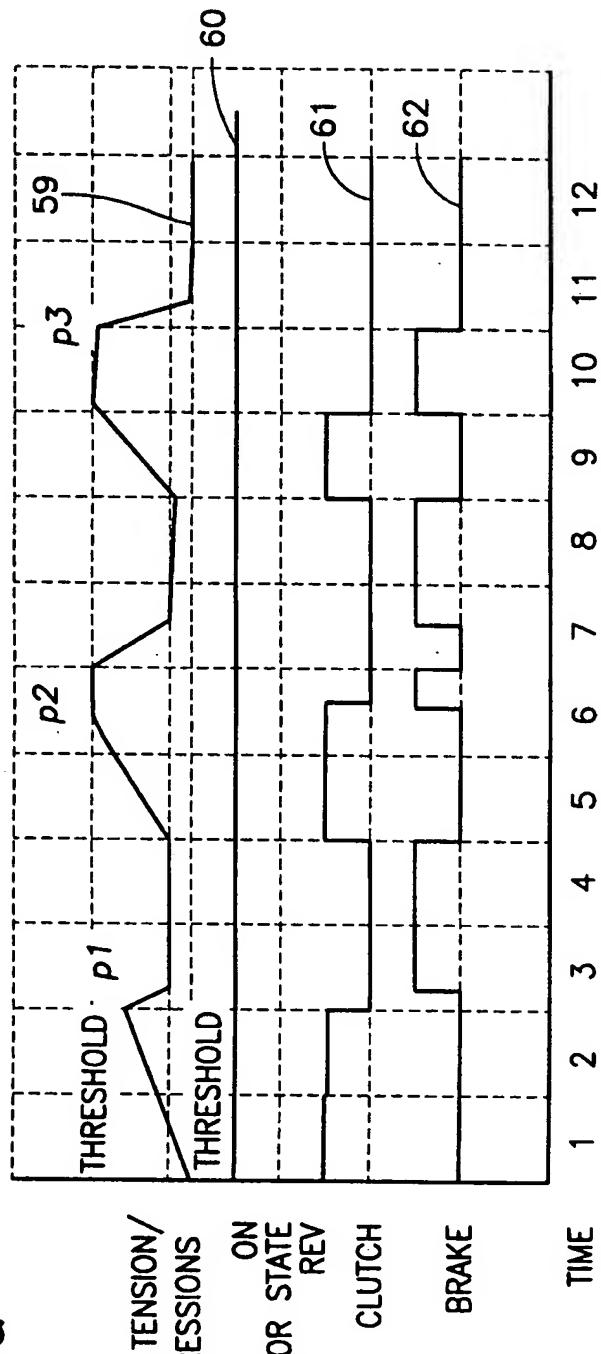
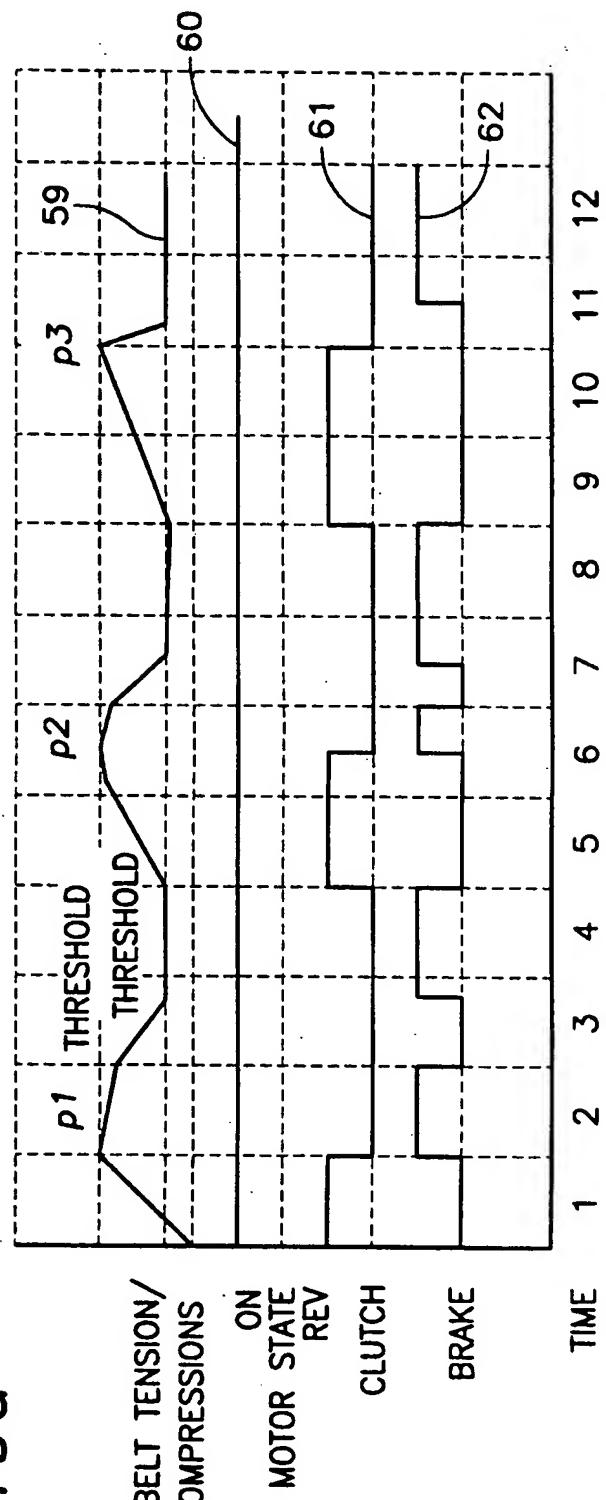


FIG. 19

TIME	1	2	3	4	5	6	7	8	9	10	11	12
MOTOR	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
CLUTCH	ON	OFF	OFF	OFF	ON	ON(OFF)	OFF	OFF	ON	ON	OFF	OFF
BRAKE	OFF	OFF	OFF(ON)	ON	OFF	OFF(ON)	OFF(ON)	ON	OFF	OFF	OFF(ON)	ON

FIG. 19a



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FIG. 20

TIME	1	2	3	4	5	6	7	8	9	10	11	12
MOTOR	ON	OFF	ON	ON	OFF	ON	ON	ON	ON	ON	OFF	ON
CLUTCH	ON	ON	OFF	OFF	ON	ON	OFF	OFF	ON	ON	OFF	OFF
BRAKE	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF
SPINDLE BRAKE	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	ON

FIG. 20a

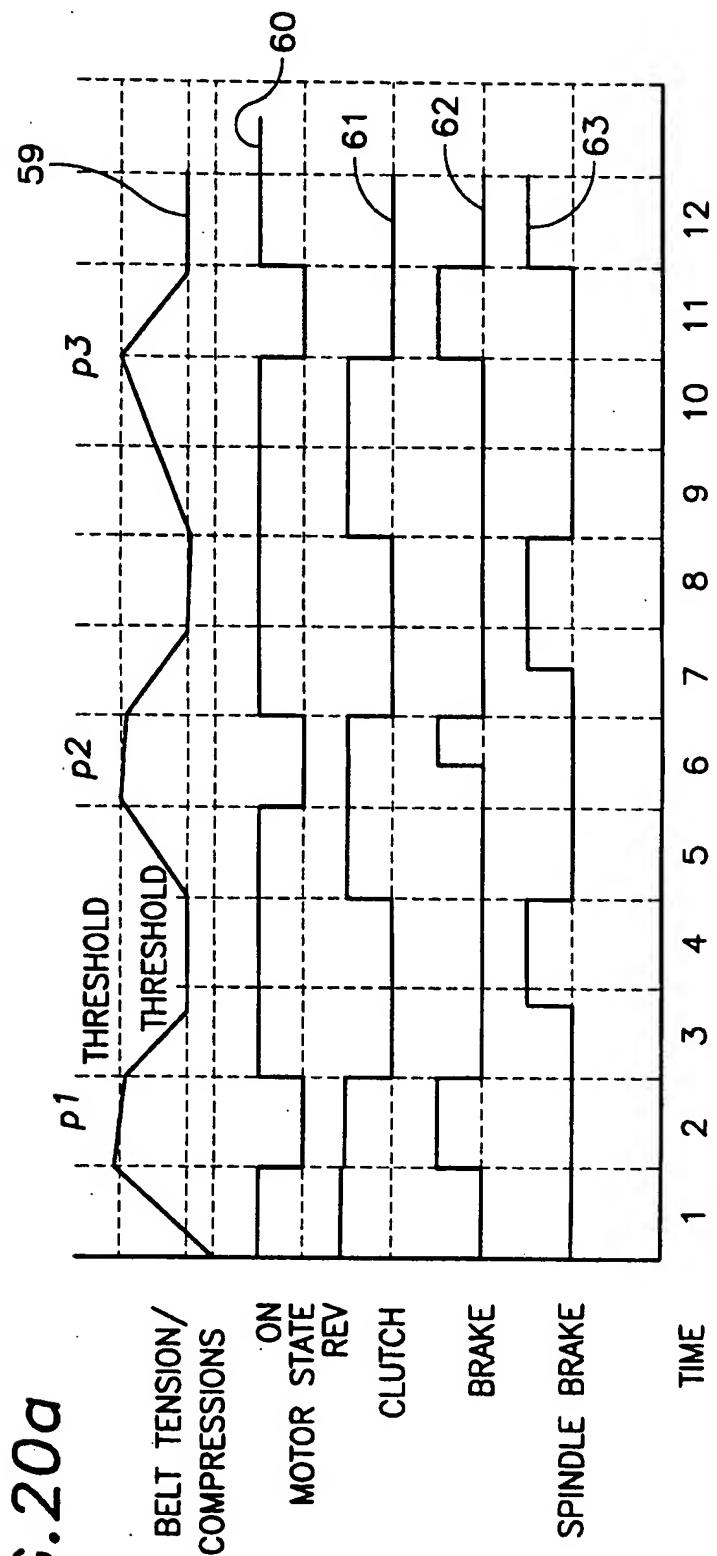


FIG.21

	1	2	3	4	5	6	7	8	9	10	11	12
MOTOR	ON	OFF	ON(OFF)	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
CAM BRAKE	OFF	ON	OFF(ON)	ON	OFF	ON	OFF(ON)	ON	OFF(ON)	ON	OFF	ON
CLUTCH	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON

FIG.21a

